



Goods Movement Update

December 8, 2005



Air Resources Board

California Environmental Protection Agency

Overview

- ✧ What's going on re “Goods Movement”
- ✧ Why staff wrote the draft plan
- ✧ How the findings affect the regulations before you today

Major Efforts

✧ **Cal/EPA and BT&H Goods Movement Action Plan**

- Phase I done Sept 2005
- Phase II due June 2006
- Interim report to Governor this month

✧ **CALMITSAC Report to Legislature**

- Due December 31, 2005

Other Activities

- ✳ Port of LA – Clean Air Program
- ✳ Port of Long Beach - Green Ports Policy
- ✳ Port of Oakland - Vision 2000 Program
- ✳ SCAQMD – Clean Port Initiative
- ✳ LA Chamber– Green Freight Initiative
- ✳ Faster Freight, Cleaner Air Conference

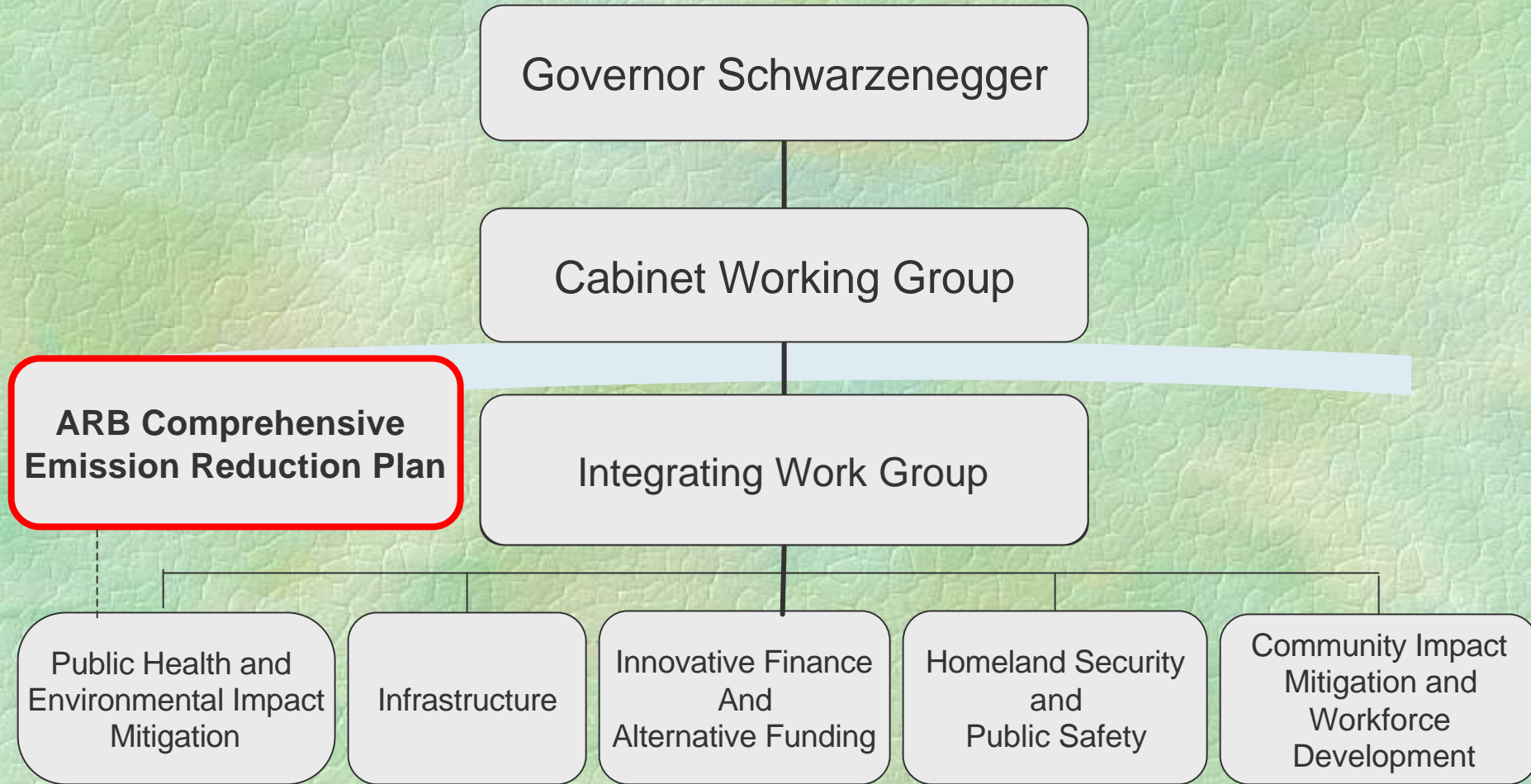
Common Themes

- ✧ Have to deal with congestion now
- ✧ Need to anticipate future growth
- ✧ Protecting public health is crucial
- ✧ Must reduce emissions ASAP
- ✧ Working cooperatively will improve quality of life for all

Where Debate is Headed

- ✧ Infrastructure bonds (\$10-\$50B)
- ✧ Federal “ask”
- ✧ State Legislation
- ✧ New lease agreements at ports
- ✧ CEQA mitigation requirements
- ✧ Emission control regulations
- ✧ Incentive programs

Goods Movement Action Plan Structure



ARB Staff Asked to Provide

✧ **Comprehensive health analysis**

- Beyond port or rail yard fence lines
- Particulate, ozone and toxics

✧ **Strategies to meet targets**

- Using “no net increase” as baseline
- Fully enforceable

Draft Plan

- ✧ Statewide health assessment
- ✧ Strategies to achieve:
 - 2010 emissions 20% below 2001 levels
 - South Coast SIP targets for NOx met
 - Diesel PM risk cut two-thirds by 2020
- ✧ Includes rules, fees/incentives, market concepts, enforceable agreements

Health Findings

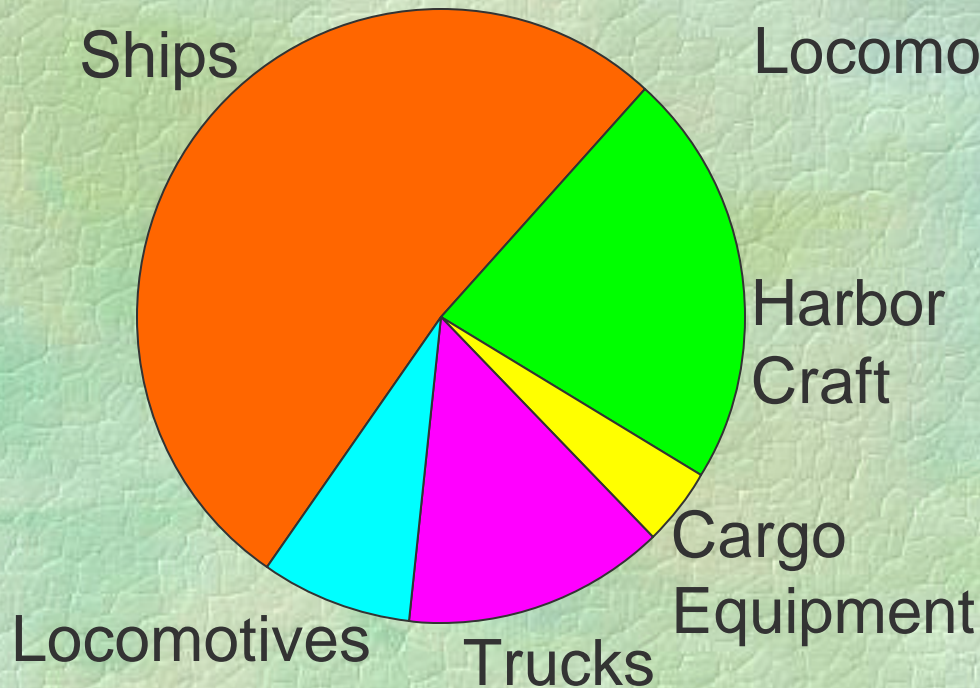
- ✧ 750 premature deaths/year today
- ✧ 920 premature deaths/year by 2020 without new controls
- ✧ Other health effects also quantified
- ✧ Plan would reduce health impacts ~60% by 2020

Cumulative Costs and Benefits (2005 – 2020)

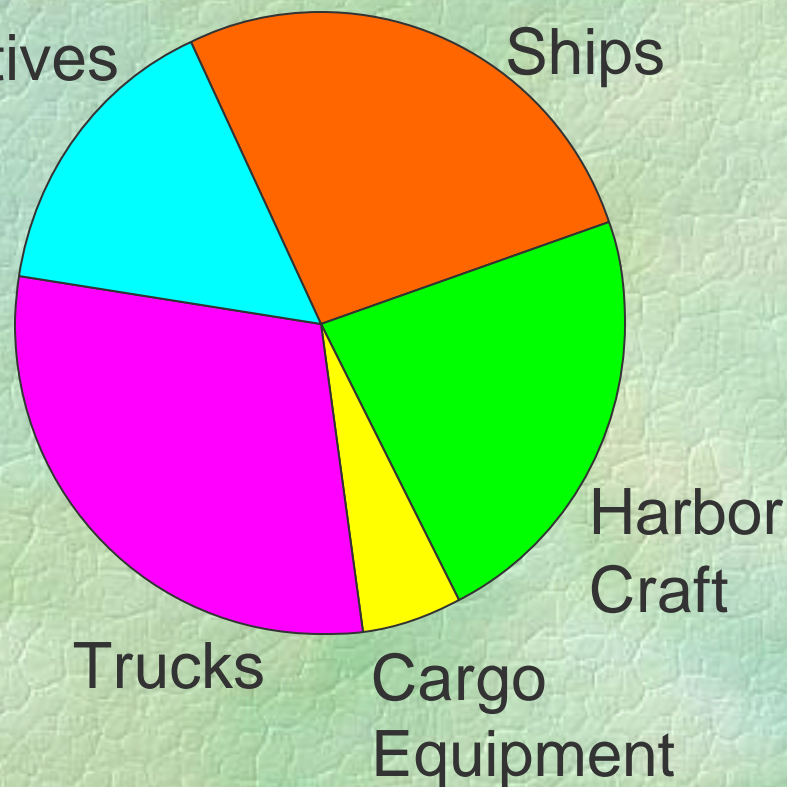
- * \$3-\$6 billion to implement new strategies
- * Would prevent 4,500 premature deaths
- * Saves \$4-8 for each \$1 spent on controls
- * Infrastructure needs are ~\$40 billion
- * CA imports/exports worth \$400 billion in 2004, growing to \$516 billion in 2006

Emissions vs. Health Impacts

Diesel PM Emissions



Premature Death



Relevance to Proposed Rules

- ✧ Ships are single largest source of emissions, major risk factor too
- ✧ Cargo handling equipment impact exceeds its emissions due to proximity
- ✧ Draft plan counts on both rules being adopted and implemented

Next Steps

- ✧ Draft plan out for public comment
- ✧ Health assessment to peer review
- ✧ Public workshops
- ✧ Final draft to Board next Spring
- ✧ Convert to State Implementation Plan elements by late 2007 / early 2008